

1. In a wireless communication system, the communication system providing communication service to a mobile station, wherein the mobile station is in communication with a base station via a reverse link, a method for enabling discontinuous transmission feature on the mobile station, the method comprising:

controlling transmission of mobile information via a first communication resource of the reverse link in response to a trigger event; and

transmitting mobile information to the base station via a second communication resource of the reverse link, the second communication resource being operable for discontinuous transmission.

- 2. The method of claim 1, wherein controlling transmission of mobile information via a first communication resource of the reverse link in response to a trigger event comprises controlling transmission of mobile information via a first communication resource of the reverse link in response to one of a user-selectable input, a call setup of a telephone number, a busy tone associated with a dialed telephone number, and a voice input.
- 3. The method of claim 1, wherein controlling transmission of mobile information via a first communication resource of the reverse link in response to a trigger event comprises terminating transmission of mobile information via the first communication resource of the reverse link in response to a trigger event.

- 4. The method of claim 1, wherein controlling transmission of mobile information via a first communication resource of the reverse link in response to a trigger event comprises terminating transmission of mobile information via a reverse fundamental channel of the reverse link in response to a trigger event.
- 5. The method of claim 1, wherein controlling transmission of mobile information via a first communication resource of the reverse link in response to a trigger event comprises transferring transmission of mobile information via a first communication resource over to a second communication resource of the reverse link in response to a trigger event.
- 6. The method of claim 1, wherein controlling transmission of mobile information via a first communication resource of the reverse link in response to a trigger event comprises transferring transmission of mobile information via a reverse fundamental channel over to a reverse dedicated control channel of the reverse link in response to a trigger event.
- 7. The method of claim 1, wherein transmitting mobile information to the base station via a second communication resource of the reverse link comprises transmitting control information to the base station via a second communication resource of the reverse link.

- 8. The method of claim 1, wherein transmitting mobile information to the base station via a second communication resource of the reverse link comprises transmitting one of an encoded dual-tone multiple frequency (DTMF) message associated with a DTMF tone and a pilot strength measurement to the base station via a second communication resource of the reverse link.
- 9. The method of claim 1, wherein transmitting mobile information to the base station via a second communication resource of the reverse link comprises transmitting one of an encoded dual-tone multiple frequency (DTMF) message associated with a DTMF tone and a pilot strength measurement to the base station via a reverse dedicated control channel of the reverse link.
- 10. The method of claim 1, wherein the communication system comprises a code division multiple access (CDMA) based communication system.



11. In a wireless communication system, the communication system providing communication service to a mobile station, wherein the mobile station is in communication with a base station via a reverse link, an apparatus for enabling discontinuous transmission feature on the mobile station, the apparatus comprising:

a user input device;

a transmitting unit being operable to transmit mobile information via the reverse link; and

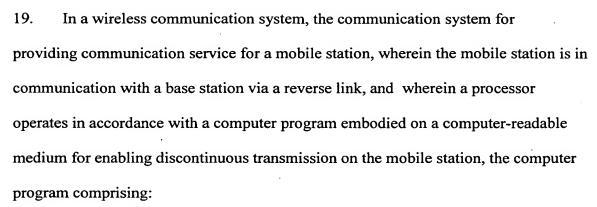
a controller operatively coupled to the user input device and the transmitting unit, the controller comprising a processor and a memory operatively coupled to the processor,

the controller being programmed to terminate transmission of mobile information via a first communication resource of the reverse link in response to a trigger event, and

the controller being programmed to transmit mobile information to the base station via a second communication resource of the reverse link, the second communication resource being operable for discontinuous transmission.

- 12. The apparatus of claim 10, wherein the user-input device comprises a numeric keypad, an alphanumeric keypad, and a touch-sensitive display.
- 13. The apparatus of claim 10, wherein the trigger event comprises one of a user-selectable input, dialing of a particular telephone number, a busy tone associated with a telephone number, and a voice input.

- 14. The apparatus of claim 10, wherein the first communication resource comprises one of a reverse fundamental channel and a reverse traffic channel.
- 15. The apparatus of claim 10, wherein the second communication resource comprises a reverse dedicated control channel.
- 16. The apparatus of claim 10, wherein the mobile information comprises one of control information and traffic information.
- 17. The apparatus of claim 16, wherein the control information comprises one of an encoded dual-tone multiple frequency (DTMF) message associated with a DTMF tone and a pilot strength measurement.
- 18. The apparatus of claim 10, wherein the apparatus operates in accordance with a code division multiple access (CDMA) protocol.

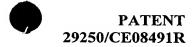


a first routine that directs the processor to control transmission of mobile information via a first communication resource of the reverse link in response to a trigger event; and

a second routine that directs the processor to transmit mobile information to the base station via a second communication resource of the reverse link, the second communication resource being operable for discontinuous transmission.

- 20. The computer program of claim 19, wherein the first routine comprises a routine that directs the processor to control transmission of mobile information via a first communication resource of the reverse link in response to one of a user-selectable input, a call setup of a telephone number, a busy tone associated with a dialed telephone number, and a voice input.
- 21. The computer program of claim 19, wherein the first routine comprises a routine that directs the processor to terminate transmission of mobile information via the first communication resource of the reverse link in response to a trigger event.

- 22. The computer program of claim 19, wherein the first routine comprises a routine that directs the processor to terminate transmission of mobile information via a reverse fundamental channel of the reverse link in response to a trigger event.
- 23. The computer program of claim 19, wherein the first routine comprises a routine that directs the processor to transfer transmission of mobile information via a first communication resource over to a second communication resource of the reverse link in response to a trigger event.
- 24. The computer program of claim 19, wherein the second routine comprises a routine that directs the processor to transfer transmission of mobile information via a reverse fundamental channel over to a reverse dedicated control channel of the reverse link in response to a trigger event.
- 25. The computer program of claim 19, wherein the second routine comprises a routine that directs the processor to transmit control information to the base station via a second communication resource of the reverse link.
- 26. The computer program of claim 19, wherein the second routine comprises a routine that directs the processor to transmitting one of an encoded dual-tone multiple frequency (DTMF) message associated with a DTMF tone and a pilot strength measurement to the base station via a second communication resource of the reverse link.



- 27. The computer program of claim 19, wherein the second routine comprises a routine that directs the processor to transmitting one of an encoded dual-tone multiple frequency (DTMF) message associated with a DTMF tone and a pilot strength measurement to the base station via a reverse dedicated control channel of the reverse link.
- 28. The computer program of claim 19, wherein the computer program operates in accordance with a code division multiple access (CDMA) protocol.
- 29. The computer program of claim 19, wherein the medium is one of paper, a programmable gate array, application specific integrated circuit, erasable programmable read only memory, read only memory, random access memory, magnetic media, and optical media.



30. In a wireless communication system, the communication system providing communication service to a mobile station, wherein the mobile station is in communication with a base station via a reverse link, the mobile station having a discontinuous transmission feature, the mobile station comprising:

a user input device;

a transmitting unit being operable to transmit mobile information via the reverse link; and

a controller operatively coupled to the user input device and the transmitting unit, the controller comprising a processor and a memory operatively coupled to the processor,

the controller being programmed to terminate transmission of mobile information via a first communication resource of the reverse link in response to a trigger event, and

the controller being programmed to transmit mobile information to the base station via a second communication resource of the reverse link, the second communication resource being operable for discontinuous transmission.

- 31. The mobile station of claim 30, wherein the user-input device comprises a numeric keypad, an alphanumeric keypad, and a touch-sensitive display.
- 32. The mobile station of claim 30, wherein the trigger event comprises one of a user-selectable input, dialing of a particular telephone number, a busy tone associated with a telephone number, and a voice input.



- 33. The mobile station of claim 30, wherein the first communication resource comprises one of a reverse fundamental channel and a reverse traffic channel.
- 34. The mobile station of claim 30, wherein the second communication resource comprises a reverse dedicated control channel.
- 35. The mobile station of claim 30, wherein the mobile information comprises one of control information and traffic information.
- 36. The mobile station of claim 35, wherein the control information comprises one of an encoded dual-tone multiple frequency (DTMF) message associated with a DTMF tone and a pilot strength measurement.
- 37. The mobile station of claim 30, wherein the apparatus operates in accordance with a code division multiple access (CDMA) protocol.